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PTO/SB/81 (02-01)

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## POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/213,613
Filing Date	December 18, 1998
First Named Inventor	Gupta, Reema
Title	Messaging Mechanism for Inter Processor
Group Art Unit	2154
Examiner Name	Caldwell, A.
Attorney Docket Number	EMC-97-060

I hereby appoint:

☐ Practitioners at Customer Number

OR

☒ Practitioner(s) named below:

Name	Registration Number
Mary Steubing	37,946

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Number Bar Code  
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as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

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☐ The above-mentioned Customer Number.

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☒ Firm or  
Individual Name

Mary Steubing, Esq.

Address Law Offices of Mary Steubing

Address 41 Jewett Street

City Pepperell

State MA

Zip 01463

Country United States of America

Telephone 978-433-2323

Fax 978-433-6002

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

### SIGNATURE of Applicant or Assignee of Record

Name Krishnendu Gupta (Reg. No. 37,977) EMC Corporation, Hopkinton, MA 01748

Signature

*Krishnendu Gupta*

Date

2/8/02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☐ \*Total of \_\_\_\_\_ forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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Technology Center 2100



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In application of:

Gupta, Reema

Application No.:

09/213,613

Group No.: 2154

Filed:

December 18, 1998

Examiner: Caldwell, A.

Title:

*Messaging Mechanism for Inter Processor Communication*Assistant Commissioner for Patents  
Washington, D.C. 20231RECEIVED  
MAR 05 2002  
Technology Center 2100STATEMENT UNDER 37 C.F.R. Section 3.73(b)  
ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION

1. The assignee(s) of the entire right, title and interest hereby seek(s) to take action in the PTO in this matter.

## EMC CORPORATION

2. Name of assignee: EMC Corporation  
Type of assignee: Corporation

## PERSON AUTHORIZED TO SIGN

3. Name of person authorized to sign on behalf of assignee: Krishnendu Gupta  
Title of person authorized to sign: Intellectual Property Counsel

I, the person signing below, state that I am empowered to sign this statement on behalf of the assignee.

## BASIS OF ASSIGNEE'S INTEREST

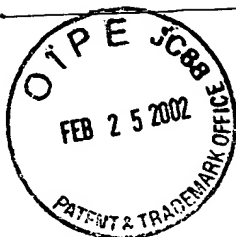
Ownership by the assignee is established as follows:

1. An assignment from the inventor(s) of the matter identified above, which was recorded in the PTO on March 8, 1999 at Reel 9816, Frame 0564.

## COPIES OF DOCUMENTS IN CHAIN OF TITLE

Copies of the assignment(s) or other document(s) in the chain of title are attached hereto.

Date: 2/8/02Krishnendu Gupta  
Signature of authorized personKrishnendu Gupta (Reg. No. 37,977)  
Intellectual Property Counsel  
EMC Corporation  
Parkwood Drive, MA 01748  
508-435-1000 x76654



19898/5

UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JUNE 01, 1999

PTAS

BROWN, RUDNICK, FREED & GESMER, LLP  
BRIAN L. MICHAELIS  
ONE FINANCIAL CENTER, 18TH FLOOR  
BOSTON, MA 02111



\*100988944A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/08/1999

REEL/FRAME: 9816/0564  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
GUPTA, REEMA

DOC DATE: 02/24/1999

ASSIGNOR:  
WANG, YAO

DOC DATE: 03/03/1999

ASSIGNOR:  
TRINGALE, ALESIA

DOC DATE: 03/01/1999

ASSIGNEE:  
EMC CORPORATION  
171 SOUTH STREET  
HOPKINTON, MASSACHUSETTS 01748

SERIAL NUMBER: 09213613  
PATENT NUMBER:

FILING DATE: 12/18/1998  
ISSUE DATE:

Received

6/8/99

Docketed

9816/0564 PAGE 2

ANTIONE ROYALL, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

3-19-1999

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REGISTRATION FORM COVER

PATENTS ONI

PTO-1550 (Modified)

v. 6-93)

B No. 0651-0011 (exp. 4/94)

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To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

Name of conveying party(ies):

Reema Gupta, Yee Wang and Alesia Tringale

OPR/FINANCE

Name and address of receiving party(ies):

Name: EMC CorporationAddress: 171 South Street

FEB 25 2002

Additional names(s) of conveying party(ies)

☐ Yes ☒ No

Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherCity: HopkintonState/Prov.: MA

Country: \_\_\_\_\_

ZIP: 01748Execution Date: February 24, March 3 and 1, 1999

Additional name(s) &amp; address(es)

☐ Yes ☒ No

Application number(s) or registration numbers(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

Patent Application No.

Filing date

B. Patent No.(s)

09/213,613

December 18, 1998

Additional numbers

☐ Yes ☒ No

Name and address of party to whom correspondence concerning document should be mailed:

Name: Brian L. Michaelis.Registration No. 34,221Address: Box IP, 18th FloorBrown, Rudnick, Freed & Gesmer, LLPOne Financial Center, 18th FloorCity: Boston State/Prov.: MACountry: \_\_\_\_\_ ZIP: 021116. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41):.....\$ 40.00☒ Enclosed - Any excess or insufficiency should be credited or debited to deposit account☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0369

43/1999 INVENTION 00000051 09213613

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Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Brian L. Michaelis (34,221)

Brian Michaelis

March 8, 1999

Name of Person Signing

Signature

Date

4

Total number of pages including cover sheet, attachments, and

**ASSIGNMENT**

WHEREAS, we, Reema GUPTA, of 12 Donovan Drive, Framingham, Massachusetts 01701, Yao WANG, of 25 Hawthorne Road, Shrewsbury, Massachusetts 01545, and Alesia TRINGALE, of 3 Kenilworth Road, Worcester, Massachusetts 01602, for good and valuable consideration from EMC CORPORATION, 171 South Street, Hopkinton, Massachusetts 01748, a Massachusetts corporation, having its principal place of business in Hopkinton, Massachusetts 01748, hereinafter called the Assignee, receipt of which is hereby acknowledged, do hereby sell, assign and transfer unto the Assignee, its successors and assigns, the entire right, title and interest in, to and under an application for Letters Patent of the United States filed on December 18, 1998, Serial No. 09/213,613 signed by us for improvements in **MESSAGING MECHANISM FOR INTER PROCESSOR COMMUNICATION** including all priority rights ensuing therefrom, and the inventions and any of them therein set forth and described, and any and all Letters Patent of the United States and of countries foreign thereto which may be granted thereon or therefor, together with the right to apply for such Letters Patent.

And for the above consideration we agree promptly upon request of the Assignee, its successors or assigns, to execute and deliver without further compensation any power of attorney, assignment, application, whether original, divisional, continuation or reissue, or other papers which may be necessary or desirable fully to secure to the Assignee, its successors and assigns, the inventions and any of them described in said application and all patent rights therein, in the United States and in any country foreign thereto.

The undersigned hereby grants the law firm of BROWN RUDNICK FEED & GESMER, P.C. of One Financial Center, Boston, Massachusetts 02111, U.S.A., the power to insert on this

Assignment any further identification which may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office for recordation of this document.


IN WITNESS WHEREOF, I, Reema GUPTA, hereunto set my hand and seal this 24<sup>th</sup> day of February, 1999.



Reema Gupta

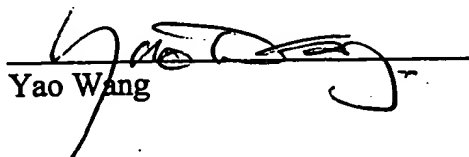
Commonwealth of Massachusetts  
County of Middlesex

Before me this 24<sup>th</sup> day of February, 1999, personally appeared Reema Gupta, who is to me personally known, and acknowledged the foregoing instrument of assignment to be his free act and deed.



Notary Public

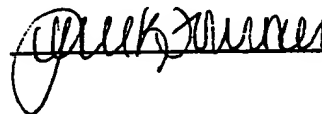
IN WITNESS WHEREOF, I, Yao WANG, hereunto set my hand and seal this 3<sup>rd</sup> day of March, 1999.



Yao Wang

Commonwealth of Massachusetts  
County of Middlesex

Before me this 3<sup>rd</sup> day of March, 1999, personally appeared Yao Wang, who is to me personally known, and acknowledged the foregoing instrument of assignment to be his free act and deed.



Notary Public

1st IN WITNESS WHEREOF, I, Alesia TRINGALE, hereunto set my hand and seal this \_\_\_\_  
day of March, 1999.

Alesia Tringale  
Alesia Tringale

Commonwealth of Massachusetts  
County of Middlesex

Before me this 1st day of March, 1999, personally appeared Alesia Tringale,  
who is to me personally known, and acknowledged the foregoing instrument of assignment to be  
his free act and deed.

John K. Turner  
Notary Public





Pup 2154

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PTO/SB/21 (6-98)  
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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	09/213,613
	Filing Date	December 18, 1998
	First Named Inventor	Gupta, Reema
	Group Art Unit	2154
	Examiner Name	Caldwell, A.
Total Number of Pages in This Submission	Attorney Docket Number	EMC-97-060

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ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input checked="" type="checkbox"/> Power of Attorney, Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Statement Under 37 CFR 3.73(b) Copy of Recorded Assignment and Recordation Cover Sheet Certificate of First Class Mailing Postcard
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Small Entity Statement	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application	Remarks	
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Krishnendu Gupta (Reg. No. 37,977), EMC Corporation, Office of the General Counsel, 35 Parkwood Drive, Hopkinton, MA 01748
Signature	<i>Krishnendu Gupta</i>
Date	2/8/02

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: 2/8/02	
Typed or printed name	Julie Mazzearella
Signature	<i>Julie Mazzearella</i>
Date	2/8/02

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